

LAB CHRONICLE

OrderID:	Q2436	OrderDate:	6/26/2025 3:41:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2436-01	TP-70	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-02	TP-69	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-03	TP-85	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-04	TP-86	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-05	TP-84	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-06	TP-83	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	

LAB CHRONICLE

Q2436-07	TP-87	SOIL	PCB	8082A	06/27/25	06/27/25	06/26/25	06/26/25
			Pesticide-TCL	8081B	06/27/25	06/28/25		
Q2436-08	TP-100	SOIL	Diesel Range Organics	8015D	06/30/25	06/30/25	06/26/25	06/26/25
			PCB	8082A	06/27/25	06/27/25		
			Pesticide-TCL	8081B	06/27/25	06/28/25		
Q2436-09	TP-99	SOIL	Diesel Range Organics	8015D	06/30/25	06/30/25	06/26/25	06/26/25
			Gasoline Range Organics	8015D		06/27/25		
			PCB	8082A	06/27/25	06/27/25		
			Pesticide-TCL	8081B	06/27/25	06/28/25		
Q2436-10	TP-82	SOIL	Diesel Range Organics	8015D	06/30/25	06/30/25	06/26/25	06/26/25
			PCB	8082A	06/27/25	06/27/25		
			Pesticide-TCL	8081B	06/27/25	06/28/25		

Hit Summary Sheet
SW-846

SDG No.: Q2436

Order ID: Q2436

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-83								
Q2436-06	TP-83	SOIL	4,4-DDE	0.26	J	0.15	1.90	ug/kg
Total Concentration:				0.260				
Client ID : TP-87								
Q2436-07	TP-87	SOIL	4,4-DDE	0.19	J	0.16	1.90	ug/kg
Total Concentration:				0.190				
Client ID : TP-100								
Q2436-08	TP-100	SOIL	Heptachlor epoxide	1.40	J	0.22	2.00	ug/kg
Q2436-08	TP-100	SOIL	Dieldrin	1.10	J	0.16	2.00	ug/kg
Q2436-08	TP-100	SOIL	alpha-Chlordane	22.9	P	0.14	2.00	ug/kg
Q2436-08	TP-100	SOIL	gamma-Chlordane	12.9		0.17	2.00	ug/kg
Total Concentration:				38.300				
Client ID : TP-99								
Q2436-09	TP-99	SOIL	4,4-DDT	0.22	J	0.15	1.80	ug/kg
Total Concentration:				0.220				
Client ID : TP-82								
Q2436-10	TP-82	SOIL	Heptachlor epoxide	0.33	J	0.21	1.80	ug/kg
Q2436-10	TP-82	SOIL	Dieldrin	0.62	J	0.15	1.80	ug/kg
Q2436-10	TP-82	SOIL	alpha-Chlordane	2.50		0.13	1.80	ug/kg
Q2436-10	TP-82	SOIL	gamma-Chlordane	1.30	J	0.16	1.80	ug/kg
Total Concentration:				4.750				



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089215.D	1	06/27/25 09:00	06/28/25 00:41	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.10	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.45	U	0.45	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.45	U	0.45	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.60	U	6.60	40.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.8		20 - 144	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		19 - 148	88%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/25/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	TP-70		SDG No.:	Q2436	
Lab Sample ID:	Q2436-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	82.1	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089215.D	1	06/27/25 09:00	06/28/25 00:41	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089216.D	1	06/27/25 09:00	06/28/25 00:55	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.10	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.45	U	0.45	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.45	U	0.45	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.60	U	6.60	40.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.5		20 - 144	63%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/25/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	TP-69		SDG No.:	Q2436	
Lab Sample ID:	Q2436-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	82	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089216.D	1	06/27/25 09:00	06/28/25 00:55	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089217.D	1	06/27/25 09:00	06/28/25 01:09	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	38.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.8		20 - 144	59%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.2		19 - 148	76%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/25/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	TP-85		SDG No.:	Q2436	
Lab Sample ID:	Q2436-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	85.1	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089217.D	1	06/27/25 09:00	06/28/25 01:09	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.7
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089218.D	1	06/27/25 09:00	06/28/25 01:22	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/25/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	TP-86		SDG No.:	Q2436	
Lab Sample ID:	Q2436-04		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	88.7	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089218.D	1	06/27/25 09:00	06/28/25 01:22	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089219.D	1	06/27/25 09:00	06/28/25 01:36	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.0		20 - 144	75%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		19 - 148	93%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089219.D	1	06/27/25 09:00	06/28/25 01:36	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089220.D	1	06/27/25 09:00	06/28/25 01:50	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.26	J	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.7		20 - 144	74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		19 - 148	89%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/25/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	TP-83		SDG No.:	Q2436	
Lab Sample ID:	Q2436-06		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	90.6	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089220.D	1	06/27/25 09:00	06/28/25 01:50	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089221.D	1	06/27/25 09:00	06/28/25 02:03	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.19	J	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.1		20 - 144	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		19 - 148	86%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/26/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	TP-87		SDG No.:	Q2436	
Lab Sample ID:	Q2436-07		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	89.9	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089221.D	1	06/27/25 09:00	06/28/25 02:03	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089222.D	1	06/27/25 09:00	06/28/25 02:17	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	1.40	J	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	1.10	J	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	22.9	P	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	12.9		0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.5		20 - 144	73%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.3		19 - 148	81%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089222.D	1	06/27/25 09:00	06/28/25 02:17	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92.2
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089223.D	1	06/27/25 09:00	06/28/25 02:31	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.22	J	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.0		19 - 148	90%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/26/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	TP-99		SDG No.:	Q2436	
Lab Sample ID:	Q2436-09		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	92.2	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089223.D	1	06/27/25 09:00	06/28/25 02:31	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089224.D	1	06/27/25 09:00	06/28/25 02:44	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.33	J	0.21	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.62	J	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	2.50		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	1.30	J	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		19 - 148	91%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/26/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	TP-82		SDG No.:	Q2436	
Lab Sample ID:	Q2436-10		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	92	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089224.D	1	06/27/25 09:00	06/28/25 02:44	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **Q2436**

Client: **CDM Smith**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	16.1	80		61	148
		Decachlorobiphen	2	20	18.6	93		57	171
		Tetrachloro-m-xyl	2	20	17.7	88		61	148
I.BLK-PD089201.D	PIBLK-PD089201.D	Decachlorobiphen	1	20	22.4	112		57	171
		Tetrachloro-m-xyl	1	20	22.9	114		61	148
		Decachlorobiphen	2	20	21.9	109		57	171
		Tetrachloro-m-xyl	2	20	24.5	122		61	148
PB168637BL	PB168637BL	Decachlorobiphen	1	20	16.4	82		20	144
		Tetrachloro-m-xyl	1	20	15.8	79		19	148
		Decachlorobiphen	2	20	17.1	86		20	144
		Tetrachloro-m-xyl	2	20	17.6	88		19	148
Q2430-01MS	MH-E/FMS	Decachlorobiphen	1	20	14.7	73		20	144
		Tetrachloro-m-xyl	1	20	14.7	73		19	148
		Decachlorobiphen	2	20	15.3	77		20	144
		Tetrachloro-m-xyl	2	20	16.6	83		19	148
Q2430-01MSD	MH-E/FMSD	Decachlorobiphen	1	20	14.8	74		20	144
		Tetrachloro-m-xyl	1	20	14.7	74		19	148
		Decachlorobiphen	2	20	15.4	77		20	144
		Tetrachloro-m-xyl	2	20	16.6	83		19	148
I.BLK-PD089212.D	PIBLK-PD089212.D	Decachlorobiphen	1	20	23.2	116		57	171
		Tetrachloro-m-xyl	1	20	23.2	116		61	148
		Decachlorobiphen	2	20	24.2	121		57	171
		Tetrachloro-m-xyl	2	20	25.1	126		61	148
Q2436-01	TP-70	Decachlorobiphen	1	20	13.2	66		20	144
		Tetrachloro-m-xyl	1	20	16.5	83		19	148
		Decachlorobiphen	2	20	13.8	69		20	144
		Tetrachloro-m-xyl	2	20	17.7	88		19	148
Q2436-02	TP-69	Decachlorobiphen	1	20	11.8	59		20	144
		Tetrachloro-m-xyl	1	20	15.4	77		19	148
		Decachlorobiphen	2	20	12.5	63		20	144
		Tetrachloro-m-xyl	2	20	16.6	83		19	148
Q2436-03	TP-85	Decachlorobiphen	1	20	11.1	56		20	144
		Tetrachloro-m-xyl	1	20	14.1	70		19	148
		Decachlorobiphen	2	20	11.8	59		20	144
		Tetrachloro-m-xyl	2	20	15.2	76		19	148
Q2436-04	TP-86	Decachlorobiphen	1	20	14.4	72		20	144
		Tetrachloro-m-xyl	1	20	17.6	88		19	148
		Decachlorobiphen	2	20	15.4	77		20	144
		Tetrachloro-m-xyl	2	20	18.4	92		19	148
Q2436-05	TP-84	Decachlorobiphen	1	20	14.2	71		20	144

Surrogate Summary

SDG No.: Q2436

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q2436-05	TP-84	Tetrachloro-m-xyl	1	20	17.1	85		19	148
		Decachlorobiphen	2	20	15.0	75		20	144
Q2436-06	TP-83	Tetrachloro-m-xyl	2	20	18.6	93		19	148
		Decachlorobiphen	1	20	14.1	71		20	144
		Tetrachloro-m-xyl	1	20	16.5	83		19	148
		Decachlorobiphen	2	20	14.7	74		20	144
		Tetrachloro-m-xyl	2	20	17.8	89		19	148
		Decachlorobiphen	1	20	13.3	67		20	144
Q2436-07	TP-87	Tetrachloro-m-xyl	1	20	16.4	82		19	148
		Decachlorobiphen	2	20	14.1	70		20	144
		Tetrachloro-m-xyl	2	20	17.3	86		19	148
		Decachlorobiphen	1	20	14.0	70		20	144
Q2436-08	TP-100	Tetrachloro-m-xyl	1	20	16.3	81		19	148
		Decachlorobiphen	2	20	14.5	73		20	144
		Tetrachloro-m-xyl	2	20	0.19	1	*	19	148
		Decachlorobiphen	1	20	14.8	74		20	144
Q2436-09	TP-99	Tetrachloro-m-xyl	1	20	17.3	86		19	148
		Decachlorobiphen	2	20	15.4	77		20	144
		Tetrachloro-m-xyl	2	20	18.0	90		19	148
		Decachlorobiphen	1	20	15.6	78		20	144
Q2436-10	TP-82	Tetrachloro-m-xyl	1	20	16.9	85		19	148
		Decachlorobiphen	2	20	16.4	82		20	144
		Tetrachloro-m-xyl	2	20	18.1	91		19	148
		Decachlorobiphen	1	20	23.9	119		57	171
I.BLK-PD089225.D	PIBLK-PD089225.D	Tetrachloro-m-xyl	1	20	23.6	118		61	148
		Decachlorobiphen	2	20	24.6	123		57	171
		Tetrachloro-m-xyl	2	20	25.7	129		61	148
		Decachlorobiphen	1	20	19.6	98		57	171
I.BLK-PD089228.D	PIBLK-PD089228.D	Tetrachloro-m-xyl	1	20	19.0	95		61	148
		Decachlorobiphen	2	20	20.1	100		57	171
		Tetrachloro-m-xyl	2	20	21.1	105		61	148
		Decachlorobiphen	1	20	19.0	95		20	144
PB168637BS	PB168637BS	Tetrachloro-m-xyl	1	20	17.9	90		19	148
		Decachlorobiphen	2	20	19.1	96		20	144
		Tetrachloro-m-xyl	2	20	19.2	96		19	148
		Decachlorobiphen	1	20	19.7	98		57	171
I.BLK-PD089240.D	PIBLK-PD089240.D	Tetrachloro-m-xyl	1	20	19.0	95		61	148
		Decachlorobiphen	2	20	17.6	88		57	171
		Tetrachloro-m-xyl	2	20	20.8	104		61	148
		Decachlorobiphen	1	20	19.7	98		57	171

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q2436	Analytical Method:	8081B
Client:	CDM Smith	DataFile :	PD089210.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2430-01MS (Column 1)	MH-E/FMS											
	alpha-BHC	18.89	0	16.3	ug/kg	86				60	144	
	beta-BHC	18.89	0	16.5	ug/kg	87				54	143	
	delta-BHC	18.89	0	17.2	ug/kg	91				29	151	
	gamma-BHC (Lindane)	18.89	0	16.4	ug/kg	87				61	140	
	Heptachlor	18.89	0	15.8	ug/kg	84				63	135	
	Aldrin	18.89	0	16.7	ug/kg	88				49	139	
	Heptachlor epoxide	18.89	0	16.2	ug/kg	86				41	156	
	Endosulfan I	18.89	0	16.4	ug/kg	87				56	142	
	Dieldrin	18.89	0	16.3	ug/kg	86				47	161	
	4,4'-DDE	18.89	0	16.4	ug/kg	87				55	136	
	Endrin	18.89	0	15.6	ug/kg	83				57	139	
	Endosulfan II	18.89	0	16.1	ug/kg	85				40	163	
	4,4'-DDD	18.89	0	16.6	ug/kg	88				47	163	
	Endosulfan sulfate	18.89	0	15.9	ug/kg	84				62	139	
	4,4'-DDT	18.89	0	14.4	ug/kg	76				51	146	
	Methoxychlor	18.89	0	13.4	ug/kg	71				54	136	
	Endrin ketone	18.89	0	16.1	ug/kg	85				60	129	
	Endrin aldehyde	18.89	0	15.9	ug/kg	84				59	132	
	alpha-Chlordane	18.89	0	16.3	ug/kg	86				39	166	
	gamma-Chlordane	18.89	0	16.6	ug/kg	88				44	175	
Client Sample ID: Q2430-01MS (Column 2)	MH-E/FMS											
	alpha-BHC	18.89	0	17.0	ug/kg	90				60	144	
	beta-BHC	18.89	0	16.7	ug/kg	88				54	143	
	delta-BHC	18.89	0	16.8	ug/kg	89				29	151	
	gamma-BHC (Lindane)	18.89	0	16.8	ug/kg	89				61	140	
	Heptachlor	18.89	0	16.1	ug/kg	85				63	135	
	Aldrin	18.89	0	16.8	ug/kg	89				49	139	
	Heptachlor epoxide	18.89	0	16.6	ug/kg	88				41	156	
	Endosulfan I	18.89	0	16.7	ug/kg	88				56	142	
	Dieldrin	18.89	0	16.5	ug/kg	87				47	161	
	4,4'-DDE	18.89	0	16.5	ug/kg	87				55	136	
	Endrin	18.89	0	16.0	ug/kg	85				57	139	
	Endosulfan II	18.89	0	16.4	ug/kg	87				40	163	
	4,4'-DDD	18.89	0	16.2	ug/kg	86				47	163	
	Endosulfan sulfate	18.89	0	16.0	ug/kg	85				62	139	
	4,4'-DDT	18.89	0	15.7	ug/kg	83				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089210.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2430-01MS (Column 2)	Methoxychlor	18.89	0	14.0	ug/kg	74				54	136	
	Endrin ketone	18.89	0	16.3	ug/kg	86				60	129	
	Endrin aldehyde	18.89	0	16.0	ug/kg	85				59	132	
	alpha-Chlordane	18.89	0	16.5	ug/kg	87				39	166	
	gamma-Chlordane	18.89	0	16.6	ug/kg	88				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089211.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2430-01MSD (Column 1)	MH-E/FMSD											
	alpha-BHC	18.88	0	16.4	ug/kg	87		1		60	144	20
	beta-BHC	18.88	0	16.6	ug/kg	88		1		54	143	20
	delta-BHC	18.88	0	17.3	ug/kg	92		1		29	151	20
	gamma-BHC (Lindane)	18.88	0	16.5	ug/kg	87		0		61	140	20
	Heptachlor	18.88	0	15.9	ug/kg	84		0		63	135	20
	Aldrin	18.88	0	16.8	ug/kg	89		1		49	139	20
	Heptachlor epoxide	18.88	0	16.3	ug/kg	86		0		41	156	20
	Endosulfan I	18.88	0	16.4	ug/kg	87		0		56	142	20
	Dieldrin	18.88	0	16.4	ug/kg	87		1		47	161	20
	4,4'-DDE	18.88	0	16.4	ug/kg	87		0		55	136	20
	Endrin	18.88	0	15.7	ug/kg	83		0		57	139	20
	Endosulfan II	18.88	0	15.9	ug/kg	84		1		40	163	20
	4,4'-DDD	18.88	0	16.7	ug/kg	88		0		47	163	20
	Endosulfan sulfate	18.88	0	15.9	ug/kg	84		0		62	139	20
	4,4'-DDT	18.88	0	14.4	ug/kg	76		0		51	146	20
	Methoxychlor	18.88	0	13.5	ug/kg	72		1		54	136	20
	Endrin ketone	18.88	0	16.0	ug/kg	85		0		60	129	20
	Endrin aldehyde	18.88	0	15.9	ug/kg	84		0		59	132	20
	alpha-Chlordane	18.88	0	16.3	ug/kg	86		0		39	166	20
	gamma-Chlordane	18.88	0	16.6	ug/kg	88		0		44	175	20
Client Sample ID: Q2430-01MSD (Column 2)	MH-E/FMSD											
	alpha-BHC	18.88	0	17.0	ug/kg	90		0		60	144	20
	beta-BHC	18.88	0	16.7	ug/kg	88		0		54	143	20
	delta-BHC	18.88	0	16.8	ug/kg	89		0		29	151	20
	gamma-BHC (Lindane)	18.88	0	16.8	ug/kg	89		0		61	140	20
	Heptachlor	18.88	0	16.1	ug/kg	85		0		63	135	20
	Aldrin	18.88	0	16.8	ug/kg	89		0		49	139	20
	Heptachlor epoxide	18.88	0	16.7	ug/kg	88		0		41	156	20
	Endosulfan I	18.88	0	16.8	ug/kg	89		1		56	142	20
	Dieldrin	18.88	0	16.6	ug/kg	88		1		47	161	20
	4,4'-DDE	18.88	0	16.6	ug/kg	88		1		55	136	20
	Endrin	18.88	0	16.3	ug/kg	86		1		57	139	20
	Endosulfan II	18.88	0	16.6	ug/kg	88		1		40	163	20
	4,4'-DDD	18.88	0	16.3	ug/kg	86		0		47	163	20
	Endosulfan sulfate	18.88	0	16.1	ug/kg	85		0		62	139	20
	4,4'-DDT	18.88	0	15.8	ug/kg	84		1		51	146	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD089211.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2430-01MSD (Column 2)	Methoxychlor	18.88	0	14.2	ug/kg	75		1		54	136	20
	Endrin ketone	18.88	0	16.4	ug/kg	87		1		60	129	20
	Endrin aldehyde	18.88	0	16.1	ug/kg	85		0		59	132	20
	alpha-Chlordane	18.88	0	16.6	ug/kg	88		1		39	166	20
	gamma-Chlordane	18.88	0	16.7	ug/kg	88		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2436	Analytical Method:	8081B
Client:	CDM Smith	Datafile :	PD089233.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168637BS (Column 1)	alpha-BHC	16.65	16.9	ug/kg	102				84	123	
	beta-BHC	16.65	16.2	ug/kg	97				82	123	
	delta-BHC	16.65	17.5	ug/kg	105				83	126	
	gamma-BHC (Lindane)	16.65	16.9	ug/kg	102				83	125	
	Heptachlor	16.65	16.0	ug/kg	96				83	122	
	Aldrin	16.65	17.1	ug/kg	103				82	124	
	Heptachlor epoxide	16.65	16.5	ug/kg	99				83	120	
	Endosulfan I	16.65	16.5	ug/kg	99				81	124	
	Dieldrin	16.65	16.7	ug/kg	100				85	121	
	4,4'-DDE	16.65	16.4	ug/kg	98				81	123	
	Endrin	16.65	14.7	ug/kg	88				76	130	
	Endosulfan II	16.65	16.4	ug/kg	98				80	125	
	4,4'-DDD	16.65	17.7	ug/kg	106				80	131	
	Endosulfan sulfate	16.65	16.0	ug/kg	96				81	122	
	4,4'-DDT	16.65	12.8	ug/kg	77				70	129	
	Methoxychlor	16.65	12.0	ug/kg	72				60	119	
	Endrin ketone	16.65	16.4	ug/kg	98				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	16.4	ug/kg	98				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
PB168637BS (Column 2)	alpha-BHC	16.65	16.4	ug/kg	98				84	123	
	beta-BHC	16.65	16.0	ug/kg	96				82	123	
	delta-BHC	16.65	16.3	ug/kg	98				83	126	
	gamma-BHC (Lindane)	16.65	16.3	ug/kg	98				83	125	
	Heptachlor	16.65	15.2	ug/kg	91				83	122	
	Aldrin	16.65	16.4	ug/kg	98				82	124	
	Heptachlor epoxide	16.65	16.3	ug/kg	98				83	120	
	Endosulfan I	16.65	16.4	ug/kg	98				81	124	
	Dieldrin	16.65	16.1	ug/kg	97				85	121	
	4,4'-DDE	16.65	16.1	ug/kg	97				81	123	
	Endrin	16.65	14.4	ug/kg	86				76	130	
	Endosulfan II	16.65	16.0	ug/kg	96				80	125	
	4,4'-DDD	16.65	17.2	ug/kg	103				80	131	
	Endosulfan sulfate	16.65	15.8	ug/kg	95				81	122	
	4,4'-DDT	16.65	12.8	ug/kg	77				70	129	
	Methoxychlor	16.65	12.1	ug/kg	73				60	119	
	Endrin ketone	16.65	16.4	ug/kg	98				77	132	
	Endrin aldehyde	16.65	15.7	ug/kg	94				79	124	
	alpha-Chlordane	16.65	16.1	ug/kg	97				84	120	
	gamma-Chlordane	16.65	16.2	ug/kg	97				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168637BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2436

Lab Sample ID: PB168637BL

Lab File ID: PD089206.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/27/2025

Date Analyzed (1): 06/27/2025

Date Analyzed (2): 06/27/2025

Time Analyzed (1): 22:25

Time Analyzed (2): 22:25

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
MH-E/FMS	Q2430-01MS	PD089210.D	06/27/2025	06/27/2025
MH-E/FMSD	Q2430-01MSD	PD089211.D	06/27/2025	06/27/2025
TP-70	Q2436-01	PD089215.D	06/28/2025	06/28/2025
TP-69	Q2436-02	PD089216.D	06/28/2025	06/28/2025
TP-85	Q2436-03	PD089217.D	06/28/2025	06/28/2025
TP-86	Q2436-04	PD089218.D	06/28/2025	06/28/2025
TP-84	Q2436-05	PD089219.D	06/28/2025	06/28/2025
TP-83	Q2436-06	PD089220.D	06/28/2025	06/28/2025
TP-87	Q2436-07	PD089221.D	06/28/2025	06/28/2025
TP-100	Q2436-08	PD089222.D	06/28/2025	06/28/2025
TP-99	Q2436-09	PD089223.D	06/28/2025	06/28/2025
TP-82	Q2436-10	PD089224.D	06/28/2025	06/28/2025
PB168637BS	PB168637BS	PD089233.D	06/30/2025	06/30/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168637BL	SDG No.:	Q2436
Lab Sample ID:	PB168637BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089206.D	1	06/27/25 09:00	06/27/25 22:25	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.1		20 - 144	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		19 - 148	88%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168637BL		SDG No.:	Q2436	
Lab Sample ID:	PB168637BL		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089206.D	1	06/27/25 09:00	06/27/25 22:25	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/17/25
Project:	South River WM Replacement	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		57 - 171	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		61 - 148	88%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/17/25	
Project:	South River WM Replacement		Date Received:	06/17/25	
Client Sample ID:	PIBLK-PD088990.D		SDG No.:	Q2436	
Lab Sample ID:	I.BLK-PD088990.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PD089201.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089201.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089201.D	1		06/27/25	pd062825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.4		57 - 171	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		61 - 148	122%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/27/25	
Project:	South River WM Replacement		Date Received:	06/27/25	
Client Sample ID:	PIBLK-PD089201.D		SDG No.:	Q2436	
Lab Sample ID:	I.BLK-PD089201.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089201.D	1		06/27/25	pd062825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PD089212.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089212.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089212.D	1		06/27/25	pd062825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.2		57 - 171	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1		61 - 148	126%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/27/25	
Project:	South River WM Replacement		Date Received:	06/27/25	
Client Sample ID:	PIBLK-PD089212.D		SDG No.:	Q2436	
Lab Sample ID:	I.BLK-PD089212.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089212.D	1		06/27/25	pd062825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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LOD = Limit of Detection

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/28/25
Project:	South River WM Replacement	Date Received:	06/28/25
Client Sample ID:	PIBLK-PD089225.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089225.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089225.D	1		06/28/25	pd062825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.6		57 - 171	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.7		61 - 148	129%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/28/25	
Project:	South River WM Replacement		Date Received:	06/28/25	
Client Sample ID:	PIBLK-PD089225.D		SDG No.:	Q2436	
Lab Sample ID:	I.BLK-PD089225.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089225.D	1		06/28/25	pd062825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PD089228.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089228.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089228.D	1		06/30/25	PD063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		61 - 148	105%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PD089228.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089228.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089228.D	1		06/30/25	PD063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PD089240.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089240.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089240.D	1		06/30/25	pd063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		57 - 171	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		61 - 148	104%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PD089240.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PD089240.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089240.D	1		06/30/25	pd063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168637BS	SDG No.:	Q2436
Lab Sample ID:	PB168637BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089233.D	1	06/27/25 09:00	06/30/25 14:17	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.9		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.2		0.18	1.70	ug/kg
319-86-8	delta-BHC	17.5		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.14	1.70	ug/kg
76-44-8	Heptachlor	16.0		0.12	1.70	ug/kg
309-00-2	Aldrin	17.1		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.5		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.5		0.14	1.70	ug/kg
60-57-1	Dieldrin	16.7		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.4		0.14	1.70	ug/kg
72-20-8	Endrin	14.7		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.4		0.29	1.70	ug/kg
72-54-8	4,4-DDD	17.7		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.13	1.70	ug/kg
50-29-3	4,4-DDT	12.8		0.14	1.70	ug/kg
72-43-5	Methoxychlor	12.1		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.4		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	15.8		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.4		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		19 - 148	96%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168637BS		SDG No.:	Q2436	
Lab Sample ID:	PB168637BS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089233.D	1	06/27/25 09:00	06/30/25 14:17	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMS	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089210.D	1	06/27/25 09:00	06/27/25 23:19	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.0		0.15	1.90	ug/kg
319-85-7	beta-BHC	16.7		0.20	1.90	ug/kg
319-86-8	delta-BHC	17.2		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.8		0.16	1.90	ug/kg
76-44-8	Heptachlor	16.1		0.14	1.90	ug/kg
309-00-2	Aldrin	16.8		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.6		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.7		0.16	1.90	ug/kg
60-57-1	Dieldrin	16.5		0.16	1.90	ug/kg
72-55-9	4,4-DDE	16.5		0.16	1.90	ug/kg
72-20-8	Endrin	16.0		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	16.4		0.33	1.90	ug/kg
72-54-8	4,4-DDD	16.6		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.15	1.90	ug/kg
50-29-3	4,4-DDT	15.7		0.16	1.90	ug/kg
72-43-5	Methoxychlor	14.0		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	16.3		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	16.0		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	16.5		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	16.6		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.3		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMS	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089210.D	1	06/27/25 09:00	06/27/25 23:19	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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D = Dilution

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089211.D	1	06/27/25 09:00	06/27/25 23:33	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.0		0.15	1.90	ug/kg
319-85-7	beta-BHC	16.7		0.20	1.90	ug/kg
319-86-8	delta-BHC	17.3		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.8		0.16	1.90	ug/kg
76-44-8	Heptachlor	16.1		0.14	1.90	ug/kg
309-00-2	Aldrin	16.8		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.7		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.8		0.16	1.90	ug/kg
60-57-1	Dieldrin	16.6		0.16	1.90	ug/kg
72-55-9	4,4-DDE	16.6		0.16	1.90	ug/kg
72-20-8	Endrin	16.3		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	16.6		0.33	1.90	ug/kg
72-54-8	4,4-DDD	16.7		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.15	1.90	ug/kg
50-29-3	4,4-DDT	15.8		0.16	1.90	ug/kg
72-43-5	Methoxychlor	14.2		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	16.4		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	16.1		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	16.6		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	16.7		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/26/25	
Project:	South River WM Replacement		Date Received:	06/26/25	
Client Sample ID:	MH-E/FMSD		SDG No.:	Q2436	
Lab Sample ID:	Q2430-01MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	88.2	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089211.D	1	06/27/25 09:00	06/27/25 23:33	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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CALIBRATION SUMMARY

A
B
C
D
E
F
G
H

Calibration Times: 15:52 16:47

LAB FILE ID:	RT 100 =	<u>PD088993.D</u>	RT 075 =	<u>PD088994.D</u>
	RT 050 =	PD088995.D	RT 025 =	PD088996.D
			RT 005 =	PD088997.D

[illegible]

A
B
C
D
E
F
G
H

Calibration Times: 15:52 16:47

LAB FILE ID:	RT 100 =	<u>PD088993.D</u>	RT 075 =	<u>PD088994.D</u>
	RT 050 =	PD088995.D	RT 025 =	PD088996.D
			RT 005 =	PD088997.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2436 **SAS No.:** Q2436 **SDG NO.:** Q2436

Instrument ID: ECD_D **Calibration Date(s):** 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	PD088993.D	CF 075 =	PD088994.D		
CF 050 =		PD088995.D	CF 025 =	PD088996.D	CF 005 =	PD088997.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3557450000	3439230000	3414120000	3228670000	3520780000	3432050000	4
4,4'-DDE	4564130000	4401240000	4312380000	4092310000	4435110000	4361030000	4
4,4'-DDT	3928430000	3802000000	3763430000	3580670000	3866490000	3788210000	3
Aldrin	5504150000	5312640000	5254800000	4989300000	5504000000	5312980000	4
alpha-BHC	6295370000	6031790000	5874750000	5417910000	5525530000	5829070000	6
alpha-Chlordane	4885060000	4758900000	4734630000	4584390000	5229700000	4838540000	5
beta-BHC	2136750000	2100860000	2137680000	2144670000	2515730000	2207140000	8
Decachlorobiphenyl	3598890000	3628150000	3773200000	3897960000	4739940000	3927630000	12
delta-BHC	5546280000	5292010000	5182350000	4751190000	4892690000	5132900000	6
Dieldrin	4933650000	4797080000	4750270000	4527510000	4978810000	4797470000	4
Endosulfan I	4511200000	4405770000	4412600000	4289200000	4918470000	4507450000	5
Endosulfan II	3829260000	3982180000	4002080000	3816490000	4553000000	4036600000	7
Endosulfan sulfate	3786900000	3718160000	3741600000	3667440000	4271990000	3837220000	6
Endrin	4238140000	4109540000	4096430000	3878120000	4305700000	4125590000	4
Endrin aldehyde	2964260000	2935670000	2964230000	2966830000	3488720000	3063940000	8
Endrin ketone	4050100000	3970810000	4004900000	3895960000	4443590000	4073070000	5
gamma-BHC (Lindane)	5900830000	5686510000	5566590000	5221690000	5532800000	5581680000	4
gamma-Chlordane	4869330000	4801300000	4716110000	4508810000	5045020000	4788110000	4
Heptachlor	5621840000	5429540000	5358570000	5116310000	5733550000	5451960000	4
Heptachlor epoxide	4794850000	4673610000	4749650000	4554690000	5346870000	4823940000	6
Methoxychlor	1926110000	1918890000	1971480000	1982080000	2304580000	2020630000	8
Tetrachloro-m-xylene	2812300000	2762040000	2767280000	2751820000	3172230000	2853130000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2436 **SAS No.:** Q2436 **SDG NO.:** Q2436

Instrument ID: ECD_D **Calibration Date(s):** 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PD088993.D</u>		CF 075 = <u>PD088994.D</u>			
CF 050 = <u>PD088995.D</u>		CF 025 = <u>PD088996.D</u>		CF 005 = <u>PD088997.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17754100000	17899700000	18191100000	18805800000	22996200000	19129400000	11
4,4'-DDE	21343500000	21440200000	21823600000	22564100000	27409000000	22916100000	11
4,4'-DDT	19391000000	19327800000	19594100000	20005200000	23078500000	20279300000	8
Aldrin	22719200000	22747700000	23159400000	23852800000	28607200000	24217300000	10
alpha-BHC	25649000000	25438700000	25849200000	26153100000	30895500000	26797100000	9
alpha-Chlordane	21191300000	21145300000	21570900000	22517200000	28059300000	22896800000	13
beta-BHC	9903630000	9918550000	10198200000	10624100000	13086800000	10746200000	12
Decachlorobiphenyl	17946500000	17939700000	18428600000	19427500000	25107500000	19770000000	15
delta-BHC	23614400000	23533700000	23918700000	24298300000	29003000000	24873600000	9
Dieldrin	21438700000	21622000000	22120600000	22941800000	27919200000	23208500000	12
Endosulfan I	19170300000	19201000000	19315500000	20752900000	25772600000	20842500000	14
Endosulfan II	18473200000	18573800000	19087100000	20002300000	24846800000	20196600000	13
Endosulfan sulfate	17925600000	18043500000	18492500000	19409200000	24234500000	19621100000	13
Endrin	20535400000	19906600000	20644700000	21276500000	26206500000	21713900000	12
Endrin aldehyde	13773600000	13920200000	14379400000	15195500000	19287900000	15311300000	15
Endrin ketone	19587400000	19824900000	20446500000	21535300000	26614600000	21601700000	13
gamma-BHC (Lindane)	23622800000	23442000000	23749900000	24221500000	28748400000	24756900000	9
gamma-Chlordane	22229100000	22022500000	22519500000	23493700000	29348800000	23922700000	13
Heptachlor	23291600000	23365200000	23922200000	24716000000	29896800000	25038400000	11
Heptachlor epoxide	20080600000	20251900000	20827300000	21695300000	26635200000	21898100000	12
Methoxychlor	9712450000	9897880000	10259100000	10830900000	13140100000	10768100000	13
Tetrachloro-m-xylene	15879800000	15866400000	15978000000	16730900000	20310700000	16953200000	11

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Instrument ID: ECD_D Date(s) Analyzed: 06/17/2025 06/17/2025

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	33601800
		2	6.44	6.34	6.54	47528600
		3	7.15	7.05	7.25	87292700
		4	7.56	7.46	7.66	111357000
		5	7.93	7.83	8.03	63112600

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Instrument ID: ECD_D Date(s) Analyzed: 06/17/2025 06/17/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.47	5.37	5.57	158160000
		2	5.65	5.55	5.75	108820000
		3	6.76	6.66	6.86	511856000
		4	7.20	7.10	7.30	350145000
		5	7.33	7.23	7.43	253920000

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 21:16 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.20	6.10	6.30	0.01
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 21:16 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL01 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089202.D Time Analyzed: 21:16

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	57.920	50.000	15.8
4,4'-DDE	6.194	6.096	6.296	54.700	50.000	9.4
4,4'-DDT	7.019	6.921	7.121	42.000	50.000	-16.0
Aldrin	5.270	5.171	5.371	56.890	50.000	13.8
alpha-BHC	3.999	3.899	4.099	58.040	50.000	16.1
alpha-Chlordane	6.026	5.927	6.127	56.470	50.000	12.9
beta-BHC	4.515	4.415	4.615	54.780	50.000	9.6
Decachlorobiphenyl	9.070	8.972	9.172	50.550	50.000	1.1
delta-BHC	4.763	4.664	4.864	59.190	50.000	18.4
Dieldrin	6.345	6.247	6.447	55.790	50.000	11.6
Endosulfan I	6.073	5.975	6.175	55.380	50.000	10.8
Endosulfan II	6.785	6.686	6.886	54.540	50.000	9.1
Endosulfan sulfate	7.148	7.049	7.249	52.730	50.000	5.5
Endrin	6.573	6.475	6.675	50.190	50.000	0.4
Endrin aldehyde	6.913	6.815	7.015	50.620	50.000	1.2
Endrin ketone	7.628	7.530	7.730	52.990	50.000	6.0
gamma-BHC (Lindane)	4.330	4.230	4.430	56.990	50.000	14.0
gamma-Chlordane	5.945	5.846	6.046	57.950	50.000	15.9
Heptachlor	4.929	4.829	5.029	51.400	50.000	2.8
Heptachlor epoxide	5.689	5.591	5.791	54.280	50.000	8.6
Methoxychlor	7.491	7.393	7.593	42.560	50.000	-14.9
Tetrachloro-m-xylene	3.550	3.450	3.650	57.800	50.000	15.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL01 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC050 Data File : PD089202.D Time Analyzed: 21:16

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	54.200	50.000	8.4
4,4'-DDE	5.373	5.275	5.475	53.740	50.000	7.5
4,4'-DDT	6.181	6.084	6.284	41.310	50.000	-17.4
Aldrin	4.367	4.269	4.469	55.520	50.000	11.0
alpha-BHC	3.392	3.293	3.493	56.420	50.000	12.8
alpha-Chlordane	5.189	5.091	5.291	54.340	50.000	8.7
beta-BHC	4.024	3.926	4.126	54.120	50.000	8.2
Decachlorobiphenyl	8.070	7.972	8.172	50.420	50.000	0.8
delta-BHC	4.261	4.162	4.362	54.930	50.000	9.9
Dieldrin	5.511	5.413	5.613	53.700	50.000	7.4
Endosulfan I	5.245	5.147	5.347	54.090	50.000	8.2
Endosulfan II	6.079	5.981	6.181	53.260	50.000	6.5
Endosulfan sulfate	6.480	6.383	6.583	51.330	50.000	2.7
Endrin	5.787	5.689	5.889	50.370	50.000	0.7
Endrin aldehyde	6.256	6.159	6.359	49.550	50.000	-0.9
Endrin ketone	6.989	6.892	7.092	51.450	50.000	2.9
gamma-BHC (Lindane)	3.729	3.630	3.830	55.740	50.000	11.5
gamma-Chlordane	5.124	5.026	5.226	55.510	50.000	11.0
Heptachlor	4.082	3.983	4.183	50.310	50.000	0.6
Heptachlor epoxide	4.871	4.773	4.973	55.210	50.000	10.4
Methoxychlor	6.752	6.655	6.855	44.610	50.000	-10.8
Tetrachloro-m-xylene	2.881	2.780	2.980	58.420	50.000	16.8

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 00:14 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 00:14 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL02 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD089214.D Time Analyzed: 00:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	57.920	50.000	15.8
4,4'-DDE	6.195	6.096	6.296	55.080	50.000	10.2
4,4'-DDT	7.019	6.921	7.121	45.370	50.000	-9.3
Aldrin	5.270	5.171	5.371	57.530	50.000	15.1
alpha-BHC	3.999	3.899	4.099	58.300	50.000	16.6
alpha-Chlordane	6.026	5.927	6.127	56.920	50.000	13.8
beta-BHC	4.515	4.415	4.615	54.940	50.000	9.9
Decachlorobiphenyl	9.070	8.972	9.172	51.410	50.000	2.8
delta-BHC	4.764	4.664	4.864	59.760	50.000	19.5
Dieldrin	6.346	6.247	6.447	55.900	50.000	11.8
Endosulfan I	6.073	5.975	6.175	55.830	50.000	11.7
Endosulfan II	6.785	6.686	6.886	55.060	50.000	10.1
Endosulfan sulfate	7.148	7.049	7.249	53.430	50.000	6.9
Endrin	6.573	6.475	6.675	51.730	50.000	3.5
Endrin aldehyde	6.913	6.815	7.015	53.120	50.000	6.2
Endrin ketone	7.628	7.530	7.730	54.640	50.000	9.3
gamma-BHC (Lindane)	4.330	4.230	4.430	57.210	50.000	14.4
gamma-Chlordane	5.945	5.846	6.046	58.500	50.000	17.0
Heptachlor	4.929	4.829	5.029	53.650	50.000	7.3
Heptachlor epoxide	5.690	5.591	5.791	55.310	50.000	10.6
Methoxychlor	7.491	7.393	7.593	48.170	50.000	-3.7
Tetrachloro-m-xylene	3.550	3.450	3.650	57.830	50.000	15.7

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL02 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD089214.D Time Analyzed: 00:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.929	5.830	6.030	54.820	50.000	9.6
4,4'-DDE	5.374	5.275	5.475	55.020	50.000	10.0
4,4'-DDT	6.182	6.084	6.284	45.730	50.000	-8.5
Aldrin	4.368	4.269	4.469	56.320	50.000	12.6
alpha-BHC	3.393	3.293	3.493	56.820	50.000	13.6
alpha-Chlordane	5.190	5.091	5.291	55.330	50.000	10.7
beta-BHC	4.025	3.926	4.126	54.570	50.000	9.1
Decachlorobiphenyl	8.071	7.972	8.172	53.550	50.000	7.1
delta-BHC	4.261	4.162	4.362	55.720	50.000	11.4
Dieldrin	5.512	5.413	5.613	55.070	50.000	10.1
Endosulfan I	5.246	5.147	5.347	55.100	50.000	10.2
Endosulfan II	6.078	5.981	6.181	54.780	50.000	9.6
Endosulfan sulfate	6.481	6.383	6.583	53.190	50.000	6.4
Endrin	5.788	5.689	5.889	52.970	50.000	5.9
Endrin aldehyde	6.258	6.159	6.359	52.380	50.000	4.8
Endrin ketone	6.990	6.892	7.092	54.180	50.000	8.4
gamma-BHC (Lindane)	3.729	3.630	3.830	56.410	50.000	12.8
gamma-Chlordane	5.125	5.026	5.226	56.400	50.000	12.8
Heptachlor	4.082	3.983	4.183	52.730	50.000	5.5
Heptachlor epoxide	4.872	4.773	4.973	56.350	50.000	12.7
Methoxychlor	6.753	6.655	6.855	50.280	50.000	0.6
Tetrachloro-m-xylene	2.881	2.780	2.980	58.840	50.000	17.7

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 03:12 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 03:12 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL03 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD089226.D Time Analyzed: 03:12

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.605	6.805	58.230	50.000	16.5
4,4'-DDE	6.195	6.096	6.296	55.570	50.000	11.1
4,4'-DDT	7.020	6.921	7.121	47.730	50.000	-4.5
Aldrin	5.271	5.171	5.371	58.470	50.000	16.9
alpha-BHC	3.999	3.899	4.099	59.140	50.000	18.3
alpha-Chlordane	6.026	5.927	6.127	57.740	50.000	15.5
beta-BHC	4.515	4.415	4.615	55.540	50.000	11.1
Decachlorobiphenyl	9.071	8.972	9.172	52.610	50.000	5.2
delta-BHC	4.764	4.664	4.864	60.790	50.000	21.6
Dieldrin	6.346	6.247	6.447	56.690	50.000	13.4
Endosulfan I	6.074	5.975	6.175	56.550	50.000	13.1
Endosulfan II	6.785	6.686	6.886	55.400	50.000	10.8
Endosulfan sulfate	7.148	7.049	7.249	54.120	50.000	8.2
Endrin	6.573	6.475	6.675	52.870	50.000	5.7
Endrin aldehyde	6.914	6.815	7.015	54.050	50.000	8.1
Endrin ketone	7.629	7.530	7.730	55.310	50.000	10.6
gamma-BHC (Lindane)	4.330	4.230	4.430	58.070	50.000	16.1
gamma-Chlordane	5.945	5.846	6.046	59.180	50.000	18.4
Heptachlor	4.928	4.829	5.029	55.280	50.000	10.6
Heptachlor epoxide	5.690	5.591	5.791	55.990	50.000	12.0
Methoxychlor	7.492	7.393	7.593	51.020	50.000	2.0
Tetrachloro-m-xylene	3.550	3.450	3.650	58.680	50.000	17.4

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL03 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC050 Data File : PD089226.D Time Analyzed: 03:12

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.928	5.830	6.030	55.100	50.000	10.2
4,4'-DDE	5.374	5.275	5.475	55.740	50.000	11.5
4,4'-DDT	6.182	6.084	6.284	47.680	50.000	-4.6
Aldrin	4.367	4.269	4.469	57.260	50.000	14.5
alpha-BHC	3.392	3.293	3.493	57.920	50.000	15.8
alpha-Chlordane	5.189	5.091	5.291	56.100	50.000	12.2
beta-BHC	4.024	3.926	4.126	55.320	50.000	10.6
Decachlorobiphenyl	8.071	7.972	8.172	54.260	50.000	8.5
delta-BHC	4.261	4.162	4.362	56.750	50.000	13.5
Dieldrin	5.511	5.413	5.613	55.900	50.000	11.8
Endosulfan I	5.245	5.147	5.347	55.680	50.000	11.4
Endosulfan II	6.079	5.981	6.181	55.070	50.000	10.1
Endosulfan sulfate	6.481	6.383	6.583	53.830	50.000	7.7
Endrin	5.788	5.689	5.889	54.690	50.000	9.4
Endrin aldehyde	6.257	6.159	6.359	53.180	50.000	6.4
Endrin ketone	6.989	6.892	7.092	54.840	50.000	9.7
gamma-BHC (Lindane)	3.729	3.630	3.830	57.410	50.000	14.8
gamma-Chlordane	5.124	5.026	5.226	57.110	50.000	14.2
Heptachlor	4.082	3.983	4.183	54.310	50.000	8.6
Heptachlor epoxide	4.871	4.773	4.973	57.050	50.000	14.1
Methoxychlor	6.753	6.655	6.855	52.720	50.000	5.4
Tetrachloro-m-xylene	2.881	2.780	2.980	59.590	50.000	19.2

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 09:56 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 09:56 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL04 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC050 Data File : PD089230.D Time Analyzed: 09:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.710	6.605	6.805	53.380	50.000	6.8
4,4'-DDE	6.201	6.096	6.296	50.960	50.000	1.9
4,4'-DDT	7.026	6.921	7.121	42.730	50.000	-14.5
Aldrin	5.277	5.171	5.371	52.490	50.000	5.0
alpha-BHC	4.005	3.899	4.099	53.210	50.000	6.4
alpha-Chlordane	6.032	5.927	6.127	51.250	50.000	2.5
beta-BHC	4.521	4.415	4.615	50.740	50.000	1.5
Decachlorobiphenyl	9.078	8.972	9.172	48.640	50.000	-2.7
delta-BHC	4.770	4.664	4.864	54.000	50.000	8.0
Dieldrin	6.352	6.247	6.447	51.790	50.000	3.6
Endosulfan I	6.080	5.975	6.175	51.350	50.000	2.7
Endosulfan II	6.791	6.686	6.886	51.290	50.000	2.6
Endosulfan sulfate	7.155	7.049	7.249	49.650	50.000	-0.7
Endrin	6.580	6.475	6.675	46.870	50.000	-6.3
Endrin aldehyde	6.920	6.815	7.015	49.280	50.000	-1.4
Endrin ketone	7.634	7.530	7.730	51.330	50.000	2.7
gamma-BHC (Lindane)	4.336	4.230	4.430	52.320	50.000	4.6
gamma-Chlordane	5.951	5.846	6.046	52.780	50.000	5.6
Heptachlor	4.935	4.829	5.029	50.190	50.000	0.4
Heptachlor epoxide	5.696	5.591	5.791	50.880	50.000	1.8
Methoxychlor	7.498	7.393	7.593	57.870	50.000	15.7
Tetrachloro-m-xylene	3.555	3.450	3.650	52.550	50.000	5.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL04 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC050 Data File : PD089230.D Time Analyzed: 09:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.930	5.830	6.030	49.690	50.000	-0.6
4,4'-DDE	5.376	5.275	5.475	49.570	50.000	-0.9
4,4'-DDT	6.184	6.084	6.284	41.990	50.000	-16.0
Aldrin	4.369	4.269	4.469	50.790	50.000	1.6
alpha-BHC	3.393	3.293	3.493	51.090	50.000	2.2
alpha-Chlordane	5.191	5.091	5.291	49.510	50.000	-1.0
beta-BHC	4.026	3.926	4.126	49.850	50.000	-0.3
Decachlorobiphenyl	8.073	7.972	8.172	49.620	50.000	-0.8
delta-BHC	4.263	4.162	4.362	49.960	50.000	-0.1
Dieldrin	5.513	5.413	5.613	49.540	50.000	-0.9
Endosulfan I	5.247	5.147	5.347	49.140	50.000	-1.7
Endosulfan II	6.081	5.981	6.181	49.360	50.000	-1.3
Endosulfan sulfate	6.483	6.383	6.583	48.200	50.000	-3.6
Endrin	5.790	5.689	5.889	44.720	50.000	-10.6
Endrin aldehyde	6.260	6.159	6.359	48.270	50.000	-3.5
Endrin ketone	6.992	6.892	7.092	49.890	50.000	-0.2
gamma-BHC (Lindane)	3.730	3.630	3.830	50.660	50.000	1.3
gamma-Chlordane	5.126	5.026	5.226	49.650	50.000	-0.7
Heptachlor	4.083	3.983	4.183	47.330	50.000	-5.3
Heptachlor epoxide	4.873	4.773	4.973	50.950	50.000	1.9
Methoxychlor	6.755	6.655	6.855	55.470	50.000	10.9
Tetrachloro-m-xylene	2.880	2.780	2.980	52.470	50.000	4.9

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 17:08 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/17/2025 06/17/2025

Continuing Calib Time: 17:08 Initial Calibration Time(s): 15:52 16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL05 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC050 Data File : PD089241.D Time Analyzed: 17:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.605	6.805	52.240	50.000	4.5
4,4'-DDE	6.202	6.096	6.296	50.680	50.000	1.4
4,4'-DDT	7.027	6.921	7.121	42.510	50.000	-15.0
Aldrin	5.277	5.171	5.371	53.100	50.000	6.2
alpha-BHC	4.005	3.899	4.099	54.360	50.000	8.7
alpha-Chlordane	6.033	5.927	6.127	51.160	50.000	2.3
beta-BHC	4.522	4.415	4.615	51.930	50.000	3.9
Decachlorobiphenyl	9.079	8.972	9.172	48.610	50.000	-2.8
delta-BHC	4.771	4.664	4.864	54.890	50.000	9.8
Dieldrin	6.353	6.247	6.447	51.080	50.000	2.2
Endosulfan I	6.080	5.975	6.175	51.360	50.000	2.7
Endosulfan II	6.792	6.686	6.886	50.340	50.000	0.7
Endosulfan sulfate	7.155	7.049	7.249	48.940	50.000	-2.1
Endrin	6.580	6.475	6.675	47.410	50.000	-5.2
Endrin aldehyde	6.921	6.815	7.015	48.190	50.000	-3.6
Endrin ketone	7.636	7.530	7.730	48.760	50.000	-2.5
gamma-BHC (Lindane)	4.336	4.230	4.430	54.200	50.000	8.4
gamma-Chlordane	5.952	5.846	6.046	52.240	50.000	4.5
Heptachlor	4.936	4.829	5.029	51.190	50.000	2.4
Heptachlor epoxide	5.697	5.591	5.791	50.920	50.000	1.8
Methoxychlor	7.498	7.393	7.593	57.540	50.000	15.1
Tetrachloro-m-xylene	3.556	3.450	3.650	53.550	50.000	7.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/17/2025 06/17/2025

Client Sample No.: CCAL05 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC050 Data File : PD089241.D Time Analyzed: 17:08

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.931	5.830	6.030	49.480	50.000	-1.0
4,4'-DDE	5.376	5.275	5.475	49.650	50.000	-0.7
4,4'-DDT	6.184	6.084	6.284	42.410	50.000	-15.2
Aldrin	4.369	4.269	4.469	51.750	50.000	3.5
alpha-BHC	3.393	3.293	3.493	52.530	50.000	5.1
alpha-Chlordane	5.191	5.091	5.291	49.660	50.000	-0.7
beta-BHC	4.025	3.926	4.126	50.600	50.000	1.2
Decachlorobiphenyl	8.073	7.972	8.172	45.140	50.000	-9.7
delta-BHC	4.262	4.162	4.362	51.290	50.000	2.6
Dieldrin	5.514	5.413	5.613	49.820	50.000	-0.4
Endosulfan I	5.247	5.147	5.347	49.320	50.000	-1.4
Endosulfan II	6.081	5.981	6.181	48.420	50.000	-3.2
Endosulfan sulfate	6.483	6.383	6.583	47.530	50.000	-4.9
Endrin	5.790	5.689	5.889	46.410	50.000	-7.2
Endrin aldehyde	6.260	6.159	6.359	46.990	50.000	-6.0
Endrin ketone	6.992	6.892	7.092	46.930	50.000	-6.1
gamma-BHC (Lindane)	3.729	3.630	3.830	52.020	50.000	4.0
gamma-Chlordane	5.127	5.026	5.226	49.970	50.000	-0.1
Heptachlor	4.083	3.983	4.183	49.310	50.000	-1.4
Heptachlor epoxide	4.873	4.773	4.973	51.760	50.000	3.5
Methoxychlor	6.755	6.655	6.855	56.930	50.000	13.9
Tetrachloro-m-xylene	2.880	2.780	2.980	53.540	50.000	7.1

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **CAMP02**

Lab Code: **CHEM** Case No.: **Q2436** SAS No.: **Q2436** SDG NO.: **Q2436**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **06/17/2025** **06/17/2025**

Client Sample No. (PEM): **PEM - PD088991.D** Date Analyzed: **06/17/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **15:25**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.071	8.970	9.170	21.440	20.000	7.2
Tetrachloro-m-xylene	3.550	3.500	3.600	19.860	20.000	-0.7
alpha-BHC	3.999	3.950	4.050	8.970	10.000	-10.3
beta-BHC	4.514	4.460	4.560	9.720	10.000	-2.8
gamma-BHC (Lindane)	4.330	4.280	4.380	9.320	10.000	-6.8
Endrin	6.574	6.500	6.640	50.260	50.000	0.5
4,4'-DDT	7.020	6.950	7.090	100.820	100.000	0.8
Methoxychlor	7.493	7.420	7.560	229.880	250.000	-8.0

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **06/17/2025** **06/17/2025**

Client Sample No. (PEM): **PEM - PD088991.D** Date Analyzed: **06/17/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **15:25**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.072	7.970	8.170	21.290	20.000	6.5
Tetrachloro-m-xylene	2.880	2.830	2.930	20.440	20.000	2.2
alpha-BHC	3.393	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.025	3.970	4.080	10.750	10.000	7.5
gamma-BHC (Lindane)	3.729	3.680	3.780	10.580	10.000	5.8
Endrin	5.789	5.720	5.860	50.490	50.000	1.0
4,4'-DDT	6.183	6.110	6.250	96.080	100.000	-3.9
Methoxychlor	6.754	6.680	6.820	198.860	250.000	-20.5

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **CAMP02**

Lab Code: **CHEM** Case No.: **Q2436** SAS No.: **Q2436** SDG NO.: **Q2436**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **06/17/2025** **06/17/2025**

Client Sample No. (PEM): **PEM - PD089191.D** Date Analyzed: **06/27/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **18:32**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.071	8.970	9.170	20.920	20.000	4.6
Tetrachloro-m-xylene	3.550	3.500	3.600	22.080	20.000	10.4
alpha-BHC	3.998	3.950	4.050	10.090	10.000	0.9
beta-BHC	4.515	4.460	4.570	11.260	10.000	12.6
gamma-BHC (Lindane)	4.328	4.280	4.380	10.260	10.000	2.6
Endrin	6.572	6.500	6.640	51.080	50.000	2.2
4,4'-DDT	7.020	6.950	7.090	80.720	100.000	-19.3
Methoxychlor	7.492	7.420	7.560	182.490	250.000	-27.0

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **06/17/2025** **06/17/2025**

Client Sample No. (PEM): **PEM - PD089191.D** Date Analyzed: **06/27/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **18:32**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.071	7.970	8.170	20.430	20.000	2.2
Tetrachloro-m-xylene	2.880	2.830	2.930	23.060	20.000	15.3
alpha-BHC	3.392	3.340	3.440	11.830	10.000	18.3
beta-BHC	4.025	3.970	4.080	10.760	10.000	7.6
gamma-BHC (Lindane)	3.729	3.680	3.780	11.860	10.000	18.6
Endrin	5.788	5.720	5.860	53.330	50.000	6.7
4,4'-DDT	6.182	6.110	6.250	80.360	100.000	-19.6
Methoxychlor	6.753	6.680	6.820	160.570	250.000	-35.8

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2436 **SAS No.:** Q2436 **SDG NO.:** Q2436

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089213.D **Date Analyzed:** 06/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 00:00

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.069	8.970	9.170	21.240	20.000	6.2
Tetrachloro-m-xylene	3.549	3.500	3.600	21.750	20.000	8.8
alpha-BHC	3.998	3.950	4.050	9.890	10.000	-1.1
beta-BHC	4.515	4.460	4.570	11.040	10.000	10.4
gamma-BHC (Lindane)	4.329	4.280	4.380	10.470	10.000	4.7
Endrin	6.571	6.500	6.640	50.810	50.000	1.6
4,4'-DDT	7.019	6.950	7.090	83.800	100.000	-16.2
Methoxychlor	7.491	7.420	7.560	192.420	250.000	-23.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089213.D **Date Analyzed:** 06/28/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 00:00

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.070	7.970	8.170	21.940	20.000	9.7
Tetrachloro-m-xylene	2.881	2.830	2.930	22.940	20.000	14.7
alpha-BHC	3.392	3.340	3.440	11.760	10.000	17.6
beta-BHC	4.024	3.970	4.070	10.480	10.000	4.8
gamma-BHC (Lindane)	3.729	3.680	3.780	11.790	10.000	17.9
Endrin	5.788	5.720	5.860	54.740	50.000	9.5
4,4'-DDT	6.182	6.110	6.250	84.500	100.000	-15.5
Methoxychlor	6.752	6.680	6.820	172.360	250.000	-31.1

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **CAMP02**

Lab Code: **CHEM** Case No.: **Q2436** SAS No.: **Q2436** SDG NO.: **Q2436**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **06/17/2025** **06/17/2025**

Client Sample No. (PEM): **PEM - PD089229.D** Date Analyzed: **06/30/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:02**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.073	8.970	9.170	22.620	20.000	13.1
Tetrachloro-m-xylene	3.550	3.500	3.600	23.210	20.000	16.1
alpha-BHC	3.999	3.950	4.050	10.940	10.000	9.4
beta-BHC	4.516	4.470	4.570	11.740	10.000	17.4
gamma-BHC (Lindane)	4.330	4.280	4.380	11.170	10.000	11.7
Endrin	6.574	6.500	6.640	52.040	50.000	4.1
4,4'-DDT	7.021	6.950	7.090	86.210	100.000	-13.8
Methoxychlor	7.493	7.420	7.560	196.180	250.000	-21.5

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **06/17/2025** **06/17/2025**

Client Sample No. (PEM): **PEM - PD089229.D** Date Analyzed: **06/30/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:02**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.071	7.970	8.170	23.170	20.000	15.9
Tetrachloro-m-xylene	2.881	2.830	2.930	24.320	20.000	21.6
alpha-BHC	3.391	3.340	3.440	12.490	10.000	24.9
beta-BHC	4.025	3.970	4.080	12.550	10.000	25.5
gamma-BHC (Lindane)	3.729	3.680	3.780	12.440	10.000	24.4
Endrin	5.788	5.720	5.860	49.470	50.000	-1.1
4,4'-DDT	6.182	6.110	6.250	83.680	100.000	-16.3
Methoxychlor	6.753	6.680	6.820	160.920	250.000	-35.6

Analytical Sequence

Client: CDM Smith	SDG No.: Q2436
Project: South River WM Replacement	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 06/17/2025 06/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	06/17/2025	15:11	PD088990.D	9.07	3.55
PEM	PEM	06/17/2025	15:25	PD088991.D	9.07	3.55
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	9.07	3.55
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	9.07	3.55
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	9.07	3.55
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	9.07	3.55
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	9.07	3.55
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	9.07	3.55
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	9.07	3.55
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	9.07	3.55
PEM	PEM	06/27/2025	18:32	PD089191.D	9.07	3.55
IBLK	IBLK	06/27/2025	21:03	PD089201.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/27/2025	21:16	PD089202.D	9.07	3.55
PB168637BL	PB168637BL	06/27/2025	22:25	PD089206.D	9.07	3.55
MH-E/FMS	Q2436-01MS	06/27/2025	23:19	PD089210.D	9.07	3.55
MH-E/FMSD	Q2436-01MSD	06/27/2025	23:33	PD089211.D	9.07	3.55
IBLK	IBLK	06/27/2025	23:47	PD089212.D	9.07	3.55
PEM	PEM	06/28/2025	00:00	PD089213.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/28/2025	00:14	PD089214.D	9.07	3.55
TP-70	Q2436-01	06/28/2025	00:41	PD089215.D	9.07	3.55
TP-69	Q2436-02	06/28/2025	00:55	PD089216.D	9.07	3.55
TP-85	Q2436-03	06/28/2025	01:09	PD089217.D	9.07	3.55
TP-86	Q2436-04	06/28/2025	01:22	PD089218.D	9.07	3.55
TP-84	Q2436-05	06/28/2025	01:36	PD089219.D	9.07	3.55
TP-83	Q2436-06	06/28/2025	01:50	PD089220.D	9.07	3.55
TP-87	Q2436-07	06/28/2025	02:03	PD089221.D	9.07	3.55
TP-100	Q2436-08	06/28/2025	02:17	PD089222.D	9.07	3.55
TP-99	Q2436-09	06/28/2025	02:31	PD089223.D	9.07	3.55
TP-82	Q2436-10	06/28/2025	02:44	PD089224.D	9.07	3.55
IBLK	IBLK	06/28/2025	02:58	PD089225.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/28/2025	03:12	PD089226.D	9.07	3.55
IBLK	IBLK	06/30/2025	08:48	PD089228.D	9.07	3.55
PEM	PEM	06/30/2025	09:02	PD089229.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/30/2025	09:56	PD089230.D	9.08	3.56
PB168637BS	PB168637BS	06/30/2025	14:17	PD089233.D	9.08	3.56
IBLK	IBLK	06/30/2025	16:35	PD089240.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/30/2025	17:08	PD089241.D	9.08	3.56

Analytical Sequence

Client: CDM Smith	SDG No.: Q2436	
Project: South River WM Replacement	Instrument ID: ECD_D	
GC Column: ZB-MR2	ID: 0.32 (mm)	Inst. Calib. Date(s): 06/17/2025 06/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	06/17/2025	15:11	PD088990.D	8.07	2.88
PEM	PEM	06/17/2025	15:25	PD088991.D	8.07	2.88
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	8.07	2.88
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	8.07	2.88
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	8.07	2.88
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	8.07	2.88
PEM	PEM	06/27/2025	18:32	PD089191.D	8.07	2.88
IBLK	IBLK	06/27/2025	21:03	PD089201.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/27/2025	21:16	PD089202.D	8.07	2.88
PB168637BL	PB168637BL	06/27/2025	22:25	PD089206.D	8.07	2.88
MH-E/FMS	Q2430-01MS	06/27/2025	23:19	PD089210.D	8.07	2.88
MH-E/FMSD	Q2430-01MSD	06/27/2025	23:33	PD089211.D	8.07	2.88
IBLK	IBLK	06/27/2025	23:47	PD089212.D	8.07	2.88
PEM	PEM	06/28/2025	00:00	PD089213.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/28/2025	00:14	PD089214.D	8.07	2.88
TP-70	Q2436-01	06/28/2025	00:41	PD089215.D	8.07	2.88
TP-69	Q2436-02	06/28/2025	00:55	PD089216.D	8.07	2.88
TP-85	Q2436-03	06/28/2025	01:09	PD089217.D	8.07	2.88
TP-86	Q2436-04	06/28/2025	01:22	PD089218.D	8.07	2.88
TP-84	Q2436-05	06/28/2025	01:36	PD089219.D	8.07	2.88
TP-83	Q2436-06	06/28/2025	01:50	PD089220.D	8.07	2.88
TP-87	Q2436-07	06/28/2025	02:03	PD089221.D	8.07	2.88
TP-100	Q2436-08	06/28/2025	02:17	PD089222.D	8.08	2.87
TP-99	Q2436-09	06/28/2025	02:31	PD089223.D	8.07	2.88
TP-82	Q2436-10	06/28/2025	02:44	PD089224.D	8.07	2.88
IBLK	IBLK	06/28/2025	02:58	PD089225.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/28/2025	03:12	PD089226.D	8.07	2.88
IBLK	IBLK	06/30/2025	08:48	PD089228.D	8.07	2.88
PEM	PEM	06/30/2025	09:02	PD089229.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/30/2025	09:56	PD089230.D	8.07	2.88
PB168637BS	PB168637BS	06/30/2025	14:17	PD089233.D	8.07	2.88
IBLK	IBLK	06/30/2025	16:35	PD089240.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/30/2025	17:08	PD089241.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-E/FMS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2430-01MS

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	16.6	2.4
	2	5.93	5.88	5.98	16.2	
4,4'-DDT	1	7.02	6.97	7.07	14.4	8.6
	2	6.18	6.13	6.23	15.7	
Aldrin	1	5.27	5.22	5.32	16.7	0.6
	2	4.37	4.32	4.42	16.8	
4,4'-DDE	1	6.20	6.15	6.25	16.4	0.6
	2	5.37	5.32	5.42	16.5	
Endosulfan II	1	6.79	6.74	6.84	16.1	1.8
	2	6.08	6.03	6.13	16.4	
Endrin aldehyde	1	6.91	6.86	6.96	15.9	0.6
	2	6.26	6.21	6.31	16.0	
Endosulfan sulfate	1	7.15	7.10	7.20	15.9	0.6
	2	6.48	6.43	6.53	16.0	
Methoxychlor	1	7.49	7.44	7.54	13.4	4.4
	2	6.75	6.70	6.80	14.0	
Endrin ketone	1	7.63	7.58	7.68	16.1	1.2
	2	6.99	6.94	7.04	16.3	
alpha-BHC	1	4.00	3.95	4.05	16.3	4.2
	2	3.39	3.34	3.44	17.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.4	2.4
	2	3.73	3.68	3.78	16.8	
Heptachlor	1	4.93	4.88	4.98	15.8	1.9
	2	4.08	4.03	4.13	16.1	
beta-BHC	1	4.52	4.47	4.57	16.5	1.2
	2	4.03	3.98	4.08	16.7	
delta-BHC	1	4.76	4.71	4.81	17.2	2.4
	2	4.26	4.21	4.31	16.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-E/FMS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2430-01MS

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.69	5.64	5.74	16.2	2.4
	2	4.87	4.82	4.92	16.6	
Endosulfan I	1	6.07	6.02	6.12	16.4	1.8
	2	5.25	5.20	5.30	16.7	
gamma-Chlordane	1	5.95	5.90	6.00	16.6	0
	2	5.13	5.08	5.18	16.6	
alpha-Chlordane	1	6.03	5.98	6.08	16.3	1.2
	2	5.19	5.14	5.24	16.5	
Dieldrin	1	6.35	6.30	6.40	16.3	1.2
	2	5.51	5.46	5.56	16.5	
Endrin	1	6.57	6.52	6.62	15.6	2.5
	2	5.79	5.74	5.84	16.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-E/FMSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2430-01MSD

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan sulfate	1	7.15	7.10	7.20	15.9	1.3
	2	6.48	6.43	6.53	16.1	
Methoxychlor	1	7.49	7.44	7.54	13.5	5.1
	2	6.75	6.70	6.80	14.2	
Endrin ketone	1	7.63	7.58	7.68	16.0	2.5
	2	6.99	6.94	7.04	16.4	
alpha-BHC	1	4.00	3.95	4.05	16.4	3.6
	2	3.39	3.34	3.44	17.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.5	1.8
	2	3.73	3.68	3.78	16.8	
Heptachlor	1	4.93	4.88	4.98	15.9	1.3
	2	4.08	4.03	4.13	16.1	
Aldrin	1	5.27	5.22	5.32	16.8	0
	2	4.37	4.32	4.42	16.8	
beta-BHC	1	4.52	4.47	4.57	16.6	0.6
	2	4.03	3.98	4.08	16.7	
delta-BHC	1	4.76	4.71	4.81	17.3	2.9
	2	4.26	4.21	4.31	16.8	
Heptachlor epoxide	1	5.69	5.64	5.74	16.3	2.4
	2	4.87	4.82	4.92	16.7	
Endosulfan I	1	6.07	6.02	6.12	16.4	2.4
	2	5.25	5.20	5.30	16.8	
gamma-Chlordane	1	5.94	5.89	5.99	16.6	0.6
	2	5.12	5.07	5.17	16.7	
alpha-Chlordane	1	6.03	5.98	6.08	16.3	1.8
	2	5.19	5.14	5.24	16.6	
4,4'-DDE	1	6.19	6.14	6.24	16.4	1.2
	2	5.37	5.32	5.42	16.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-E/FMSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2430-01MSD

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Dieldrin	1	6.35	6.30	6.40	16.4	1.2
	2	5.51	5.46	5.56	16.6	
Endrin	1	6.57	6.52	6.62	15.7	3.8
	2	5.79	5.74	5.84	16.3	
Endosulfan II	1	6.78	6.73	6.83	15.9	4.3
	2	6.08	6.03	6.13	16.6	
4,4'-DDD	1	6.70	6.65	6.75	16.7	2.4
	2	5.93	5.88	5.98	16.3	
4,4'-DDT	1	7.02	6.97	7.07	14.4	9.3
	2	6.18	6.13	6.23	15.8	
Endrin aldehyde	1	6.91	6.86	6.96	15.9	1.3
	2	6.26	6.21	6.31	16.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168637BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2436

SAS No.: Q2436

SDG NO.: Q2436

Lab Sample ID: PB168637BS

Date(s) Analyzed: 06/30/2025

06/30/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	17.7	2.9
	2	5.93	5.88	5.98	17.2	
4,4'-DDE	1	6.20	6.15	6.25	16.4	1.8
	2	5.38	5.33	5.43	16.1	
4,4'-DDT	1	7.03	6.98	7.08	12.8	0
	2	6.19	6.14	6.24	12.8	
alpha-BHC	1	4.01	3.96	4.06	16.9	3
	2	3.39	3.34	3.44	16.4	
Aldrin	1	5.28	5.23	5.33	17.1	4.2
	2	4.37	4.32	4.42	16.4	
alpha-Chlordane	1	6.03	5.98	6.08	16.4	1.8
	2	5.19	5.14	5.24	16.1	
Endosulfan II	1	6.79	6.74	6.84	16.4	2.5
	2	6.08	6.03	6.13	16.0	
Endosulfan sulfate	1	7.16	7.11	7.21	16.0	1.3
	2	6.48	6.43	6.53	15.8	
beta-BHC	1	4.52	4.47	4.57	16.2	1.2
	2	4.03	3.98	4.08	16.0	
delta-BHC	1	4.77	4.72	4.82	17.5	7.1
	2	4.26	4.21	4.31	16.3	
Endosulfan I	1	6.08	6.03	6.13	16.5	0.6
	2	5.25	5.20	5.30	16.4	
Dieldrin	1	6.36	6.31	6.41	16.7	3.7
	2	5.51	5.46	5.56	16.1	
Endrin aldehyde	1	6.92	6.87	6.97	15.8	0.6
	2	6.26	6.21	6.31	15.7	
Methoxychlor	1	7.50	7.45	7.55	12.0	0.8
	2	6.76	6.71	6.81	12.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168637BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: PB168637BS

Date(s) Analyzed: 06/30/2025 06/30/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.64	7.59	7.69	16.4	0
	2	6.99	6.94	7.04	16.4	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	16.9	3.6
	2	3.73	3.68	3.78	16.3	
Heptachlor	1	4.94	4.89	4.99	16.0	5.1
	2	4.08	4.03	4.13	15.2	
Heptachlor epoxide	1	5.70	5.65	5.75	16.5	1.2
	2	4.87	4.82	4.92	16.3	
gamma-Chlordane	1	5.95	5.90	6.00	16.9	4.2
	2	5.13	5.08	5.18	16.2	
Endrin	1	6.58	6.53	6.63	14.7	2.1
	2	5.79	5.74	5.84	14.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-100

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2436-08

Date(s) Analyzed: 06/28/2025 06/28/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.69	5.64	5.74	1.10	24
	2	4.88	4.83	4.93	1.40	
gamma-Chlordane	1	5.95	5.90	6.00	12.9	32.4
	2	5.14	5.09	5.19	9.30	
alpha-Chlordane	1	6.03	5.98	6.08	22.9	48.9
	2	5.20	5.15	5.25	13.9	
Dieldrin	1	6.35	6.30	6.40	0.82	29.1
	2	5.52	5.47	5.57	1.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-82

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2436-10

Date(s) Analyzed: 06/28/2025 06/28/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.69	5.64	5.74	0.29	10.5
	2	4.87	4.82	4.92	0.33	
gamma-Chlordane	1	5.95	5.90	6.00	1.30	16.7
	2	5.12	5.07	5.17	1.10	
alpha-Chlordane	1	6.03	5.98	6.08	2.50	38.1
	2	5.19	5.14	5.24	1.70	
Dieldrin	1	6.35	6.30	6.40	0.44	33.2
	2	5.51	5.46	5.56	0.62	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-83

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: Q2436-06 Date(s) Analyzed: 06/28/2025 06/28/2025

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	0.20	27.2
	2	5.37	5.32	5.42	0.26	